
BILL BARRETT CORPORATION E-BILL

**GGU FED 23C-20-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
11-Jun-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2858131	Quote #:	Sales Order #: 8242593
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Henderson, Josh		
Well Name: GGU FED	Well #: 23C-20-691	API/UWI #: 05-045-19541	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.854 secs.	Long: W 107.575 deg. OR W -108 deg. 25 min. 30.338 secs.		
Contractor: Pro Petro	Rig/Platform Name/Num: Pro Petro		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srvc Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	3	412388	MAGERS, MICHAEL Gerard	3	339439	SINCLAIR, DAN J	3	338784

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10533645	120 mile	10871245	120 mile	11139328	120 mile	11259886	120 mile
11360881	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
06/11/2011	3	1						

TOTAL Total is the sum of each column separately

Job

Formation Name					Date				Time		Time Zone						
Formation Depth (MD)		Top		Bottom		Called Out				11 - Jun - 2011		01:00		MST			
Form Type				BHST		On Location				11 - Jun - 2011		05:00		MST			
Job depth MD		860. ft		Job Depth TVD		860. ft		Job Started				11 - Jun - 2011		06:22		MST	
Water Depth				Wk Ht Above Floor		1. ft		Job Completed				11 - Jun - 2011		07:18		MST	
Perforation Depth (MD)		From				To		Departed Loc									

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12 1/4" Open Hole				12.25				.	860		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	840		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size		Qty

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer		20.00	bbl	.	.0	.0	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.75		13.75	
	13.75 Gal	FRESH WATER								
3	SwiftCem Tail Cement	SWIFTCES (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85		6.85	
	6.85 Gal	FRESH WATER								
4	Displacement		63.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	62.5	Shut In: Instant		Lost Returns	0	Cement Slurry	82	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	18	Actual Displacement	62.5	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	164	
Rates										
Circulating	NONE	Mixing	5	Displacement	5/2	Avg. Job	5			
Cement Left In Pipe	Amount	46 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

The Road to Excellence Starts with Safety

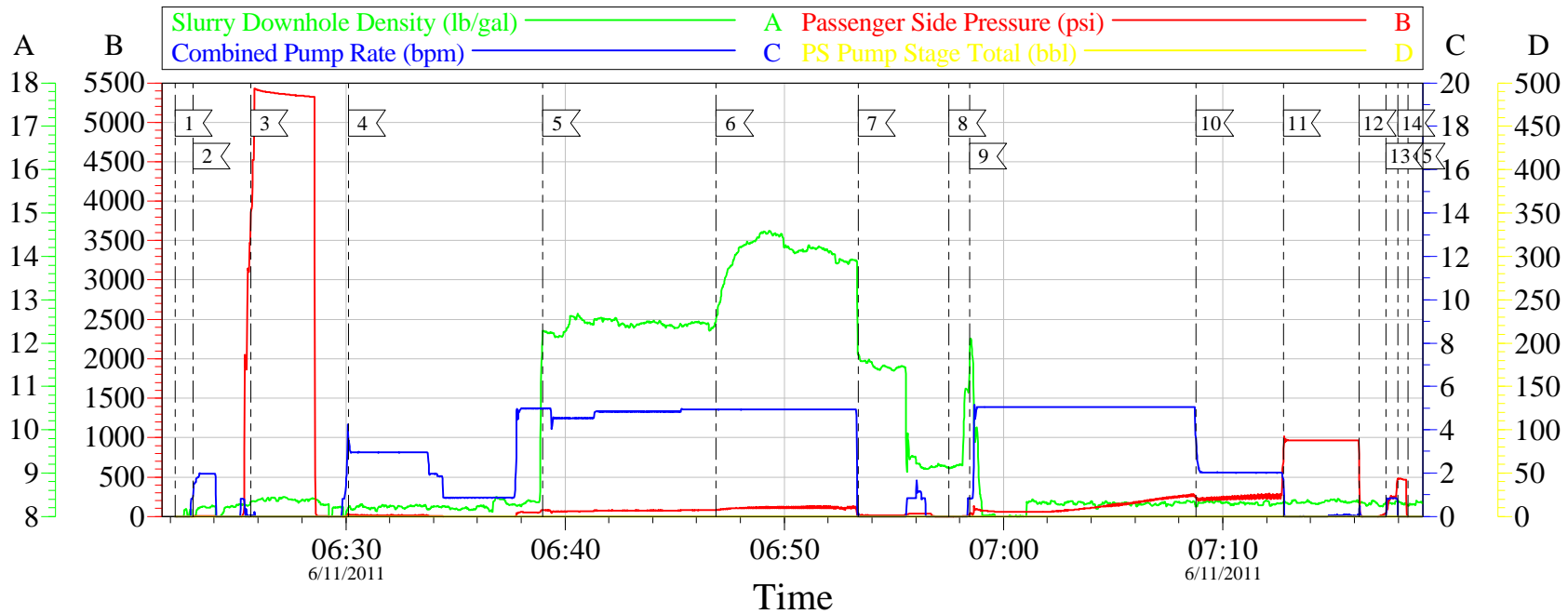
Sold To #: 343492	Ship To #: 2858131	Quote #:	Sales Order #: 8242593
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Henderson, Josh	
Well Name: GGU FED	Well #: 23C-20-691	API/UWI #: 05-045-19541	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.854 secs.		Long: W 107.575 deg. OR W -108 deg. 25 min. 30.338 secs.	
Contractor: Pro Petro		Rig/Platform Name/Num: Pro Petro	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srvc Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Yard	06/11/2011 03:00							HES ALL PRESENT
Arrive At Loc	06/11/2011 05:00							WORKOVER DONE WITH HOLE/MOVED OVER TO NEXT HOLE AND ALREADY DRILLING
Assessment Of Location Safety Meeting	06/11/2011 05:10							GOOD CONDITION
Pre-Rig Up Safety Meeting	06/11/2011 05:45							JSA ON RIGGING UP
Rig-Up Equipment	06/11/2011 06:00							TD-860 TP-840 SJ-46 MW-8.33 CSG- 9 5/8 36# J-55 OH-12 1/4"
Safety Huddle	06/11/2011 06:15							RIG CREW AND HES ALL PRESENT
Start Job	06/11/2011 06:22							
Other	06/11/2011 06:23		2	2			4.0	FILL LINES
Pressure Test	06/11/2011 06:25		0.5	0.5			5390.0	PSI TEST OK
Pump Spacer 1	06/11/2011 06:30		3	20			37.0	FRESH WATER SPACER
Pump Lead Cement	06/11/2011 06:38		5	50.9			106.0	VERSACEM 120 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK
Pump Tail Cement	06/11/2011 06:46		5	30.6			114.0	SWIFTCESM 120 SKS 14.2 PPG 1.43 FT3/SK 6.85 GAL/SK
Shutdown	06/11/2011 06:53							
Drop Plug	06/11/2011 06:57							PLUG AWAY ON POSITIVE DISPLACEMENT

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	06/11/2011 06:58		5	62.5			268.0	FRESH WATER
Slow Rate	06/11/2011 07:08		2	52			254.0	GOT 18 BBLS OF CEMENT TO SURFACE
Bump Plug	06/11/2011 07:12		2	62.5			254.0	BUMPED PLUG
Check Floats	06/11/2011 07:16			62.5			940.0	FLOATS DID NOT HOLD
Other	06/11/2011 07:17		1	1			290.0	REBUMP PLUG
Shut In Well	06/11/2011 07:18			1			290.0	SHUT IN PRESSURE/RELEASE D PRESSURE ON LINE
End Job	06/11/2011 07:19							GOT RETURNS AT 18 BBLS INTO DISPALCEMENT/THAN KS FOR USING HES AND THE CREW OF MIKE MAGERS

BILL BARRETT-PRO PETRO

9.625 SURFACE



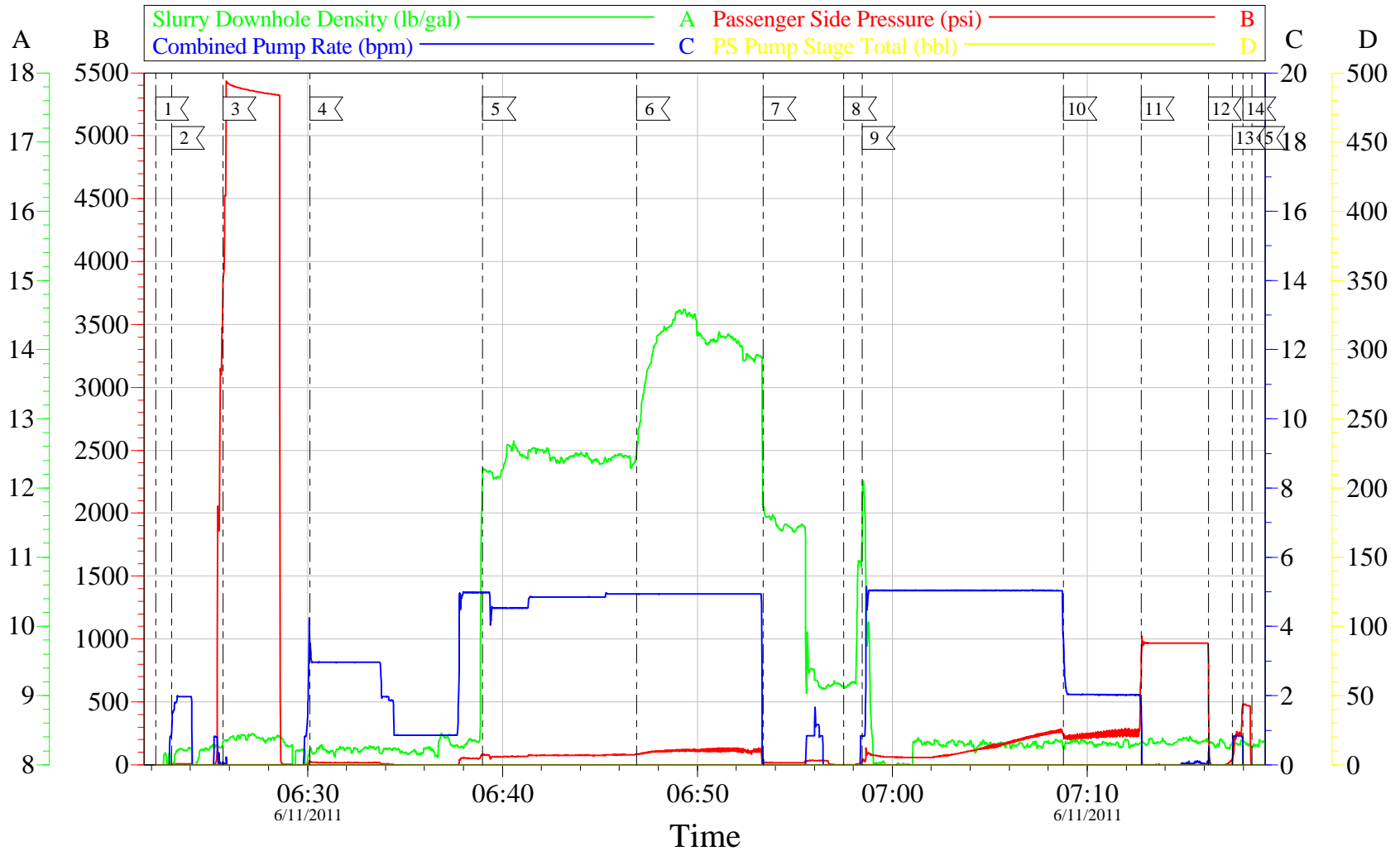
Event Log					
1	START JOB	06:22:13	2	FILL LINES	06:23:02
3	PRESSURE TEST	06:25:40	4	PUMP SPACER	06:30:08
5	PUMP LEAD CEMENT	06:38:59	6	PUMP TAIL CEMENT	06:46:53
7	SHUT DOWN	06:53:22	8	DROP PLUG	06:57:30
9	PUMP FRSH WTR DISPLACEMENT	06:58:27	10	SLOW RATE	07:08:47
11	BUMP BLUG	07:12:46	12	CHECK FLOATS	07:16:13
13	REBUMP PLUG	07:17:26	14	SHUT IN PRESSURE	07:17:58
15	END JOB	07:18:27			

Customer:	BILL BARRETT PRO PETRO	Job Date:	06/11/11	SALES ORDER	8242593
Well Desc:	GGU FED 23C-20-691	Job Type	SURFACE	ADC USED	YES
COMPANY REP	JOSH HENDERSON	CEMENT SUPERVISOR	MIKE MAGERS	ELITE 8	DAN SINCLAIR

TG Version G3.4.1
11-Jun-11 08:09

BILL BARRETT-PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO	Job Date: 06/11/11	SALES ORDER 8242593
Well Desc: GGU FED 23C-20-691	Job Type SURFACE	ADC USED YES
COMPANY REP JOSH HENDERSON	CEMENT SUPERVISOR MIKE MAGERS	ELITE 8 DAN SINCLAIR

TG Version G3.4.1
11-Jun-11 08:10

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
6	Test Lines	5000.0				
9	H2O Spacer	20.0	3 bbls/min			
13	Pump Lead Cement	50.9	120	12.3	2.38	13.75
15	Pump Tail Cement	30.6	120	14.2	1.43	6.85
48	Shut Down					
32	Drop Plug					
23	Pump Frsh Wtr Displacement	62.5	5 bbls/min			
1085	Slow Rate	52.0	2 bbls/min			
26	Bump Plug	204 PSI	Plus	500	Over	704 PSI
511	Check Floats					
2	Release Psi / Job Over					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
62.49	840	46.00		794.00	0.0787	175
PSI to Lift Pipe	325	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	62.49					
CALCULATED DIFFERENTIAL PSI		204		TOTAL FLUID PUMPED		164
Collapse	1400	Burst	2270		SO#	8242593

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT
Submitted by: MIKE MAGERS
Attention: J.Trout/ C.Martinez
Lease: GGU FED
Well #: 23C-20-691

Date: 6/11/2011
Date Rec.: 6/11/2011
S.O.#: 8242593
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i>BELOW 200</i> Mg / L
Chlorine (Cl ₂)		<i>120</i> Mg / L
Temp	<i>40-80</i>	<i>65</i> Deg
Total Dissolved Solids		<i>220</i> Mg / L

Respectfully: MIKE MAGERS

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

Sales Order #: 8242593	Line Item: 10	Survey Conducted Date: 6/11/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19541
Well Name: GGU FED		Well Number: 23C-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	6/11/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JOSH HENDERSON
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

Sales Order #: 8242593	Line Item: 10	Survey Conducted Date: 6/11/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19541
Well Name: GGU FED		Well Number: 23C-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	6/11/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	4
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 8242593	Line Item: 10	Survey Conducted Date: 6/11/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19541
Well Name: GGU FED		Well Number: 23C-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	94
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0